

**03050104-050**  
**(Sawneys Creek)**

**General Description**

Watershed 03050104-050 is located in Fairfield and Kershaw Counties and consists primarily of **Sawneys Creek** and its tributaries. The watershed occupies 37,224 acres of the Piedmont region of South Carolina. The predominant soil types consist of an association of the Herndon-Georgeville-Tatum-Helena series. The erodibility of the soil (K) averages 0.43; the slope of the terrain averages 10%, with a range of 2-25%. Land use/land cover in the watershed includes: 85.8% forested land, 8.6% agricultural land, 0.6% urban land, 4.5% scrub/shrub land, 0.3% forested wetland (swamp), and 0.2% water.

Sawneys Creek originates near the Town of Ridgeway and drains into the Wateree River. Thorntree Creek and Bee Branch drain into Sawneys Creek. There are a few ponds (totaling 36.9 acres) in this watershed and a total of 103.3 stream miles, all classified FW.

**Water Quality**

| <u>Station #</u> | <u>Type</u> | <u>Class</u> | <u>Description</u>          |
|------------------|-------------|--------------|-----------------------------|
| CW-075           | BIO         | FW           | THORNTREE CREEK AT S-20-258 |
| CW-228           | P/BIO       | FW           | SAWNEYS CREEK AT S-20-151   |
| CW-079           | W           | FW           | SAWNEYS CREEK AT S-28-37    |

**Thorntree Creek (CW-075)** - Aquatic life uses are fully supported based on macroinvertebrate community data.

**Sawneys Creek** - There are two monitoring sites along Sawneys Creek. Aquatic life uses are fully supported at the upstream site (**CW-228**) based on macroinvertebrate community data, physical data, and chemical data; however, there was a high concentration of copper measured in 1995. A significant decreasing trend in total phosphorus concentration suggests improving conditions for this parameter. Recreational uses are not supported due to fecal coliform bacteria excursions. At the downstream site (**CW-079**), aquatic life uses are fully supported, but recreational uses are partially supported due to fecal coliform bacteria excursions.

**Nonpoint Source Management Program**

**Camping Facilities**

| <i>FACILITY NAME/TYPE</i> | <i>PERMIT #</i> |
|---------------------------|-----------------|
| <i>RECEIVING STREAM</i>   | <i>STATUS</i>   |
| CAMP LONGRIDGE/RESIDENT   | 20-305-1125     |
| THORNTREE CREEK TRIBUTARY | ACTIVE          |

***Mining Activities*****MINING COMPANY**  
**MINE NAME**KENNECOTT/RIDGEWAY MINING CO.  
RIDGEWAY MINE**PERMIT #**  
**MINERAL**0724-39  
GOLD ORE***Land Disposal Activities*****Land Application Sites****LAND APPLICATION SYSTEM**  
**FACILITY NAME**SPRAYFIELD  
FAIRFIELD NURSING HOME**ND#**  
**TYPE**ND0067008  
DOMESTIC**Growth Potential**

There is a low potential for growth in this watershed, which contains a portion of the Town of Ridgeway. The only available water service extends along S.C. Hwy. 34 east of Ridgeway to the Ridgeway gold mine, which is scheduled to close.